



U.S. Department
of Transportation
**Pipeline and
Hazardous Materials
Safety Administration**

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0570/S-96, REVISION 4**

East Building, PHH-23
1200 New Jersey Avenue Southeast
Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - Alpha-Omega Services, Inc. Model CSN0010-192 Brachytherapy Source.
2. Source Description - Cylindrical seal welded single encapsulation made of Type 316L stainless steel with a welded connector and 7x7 stranded stainless steel cable extension. Approximate exterior dimensions of the capsule are 1.1 mm (0.04 in.) in diameter and 4.5 mm (0.18 in.) in length; and of the connector and cable are 1.1 mm (0.04 in.) in diameter and 1995.5 mm (78.6 in.) in length. Construction shall be in accordance with attached Alpha-Omega Services, Inc. Drawing No. CSN00010, Rev. E.
3. Radioactive Contents - No more than 0.555 TBq (15.0 Ci) of Iridium-192. The Ir-192 is in the form of a solid metal wire.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the applicable requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on March 31, 2019.

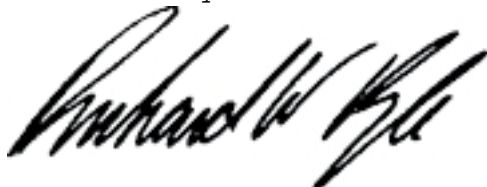
¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

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This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the February 19, 2014 petition by Alpha-Omega Services, Bellflower, CA, and in consideration of other information on file in this Office.

Certified By:



Mar 04 2014

(DATE)

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Dr. Magdy El-Sibaie
Associate Administrator for Hazardous Materials Safety

Revision 4 - Issued to extend the expiration date.

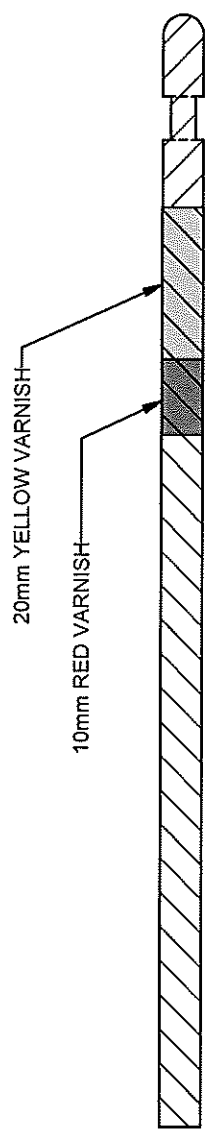
1

DWG NO	CSN00010		SHT	1	REV	E
REVISIONS						
REV	DESCRIPTION	DATE	APPD			

NOTES

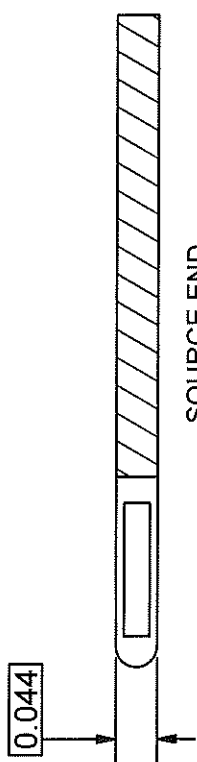
MATERIAL SPEC:		FINISH SPEC:	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
TOLERANCES: XX DECIMALS ± 0.02		X ± 1.0	
XXX DECIMALS ± 0.005		XX ± .	
DRAWN:	BR	SIGNATURES:	DATE
ENGR:	BR		24NOV04
			24NOV04

2

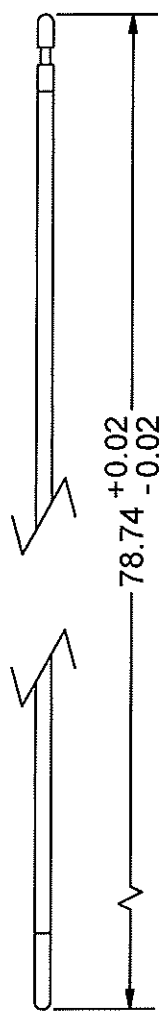


CONNECTOR END
SCALE 5:1

2



SOURCE END
SCALE 5:1



1

SIZE	DWG NO	REV	E
A	CSN00010		

AOS
ALPHA-OMEGA SERVICES, INC.

ASSEMBLY SOURCE CABLE
MICROSELETRON CLASSIC

2

1

SCALE SHEET 1 OF 1